

CIHAN UNIVERSITY/SULIMANIA

ARCHITECTURAL DEPT.

FIRST YEAR

2023-2024

SECOND SEMESTER

LECTURE 3



Art & Architecture

DESIGN ELEMENTS

Dr. Nahedh T. Al-QEMAQCHI

Design Elements



Point

Line

Plane Form and Shape

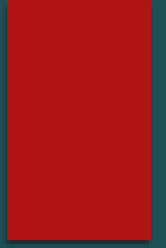
Volume

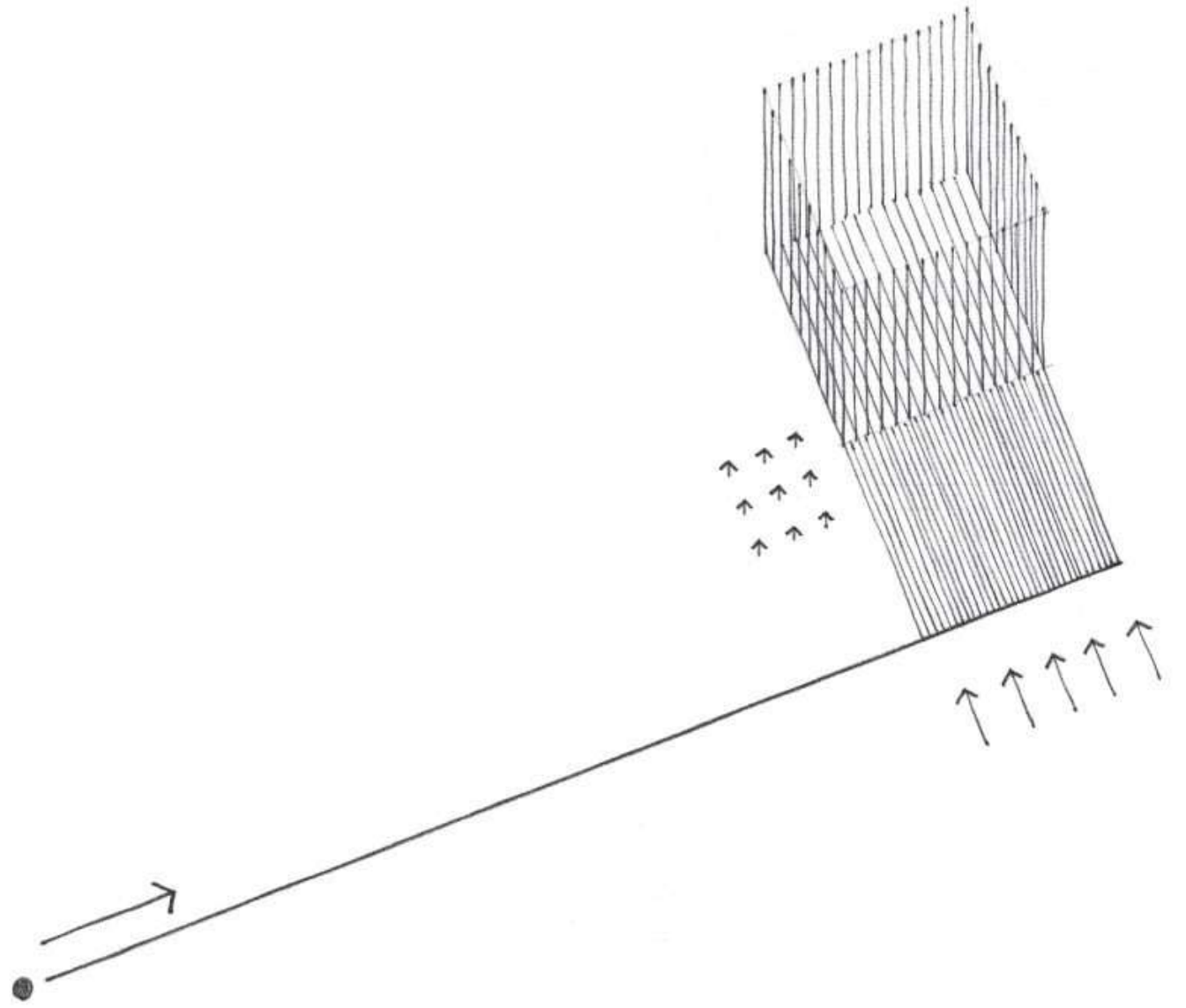
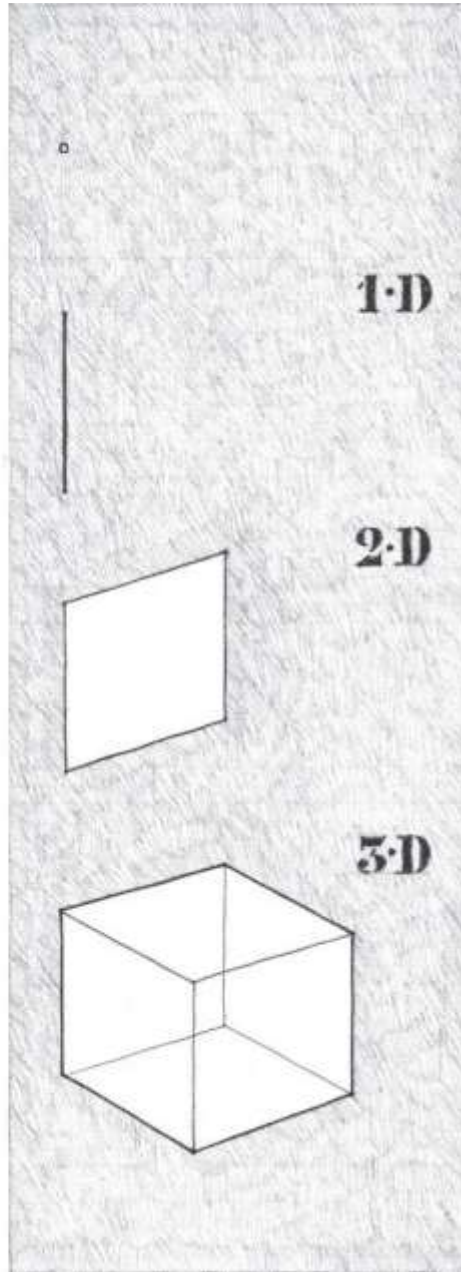
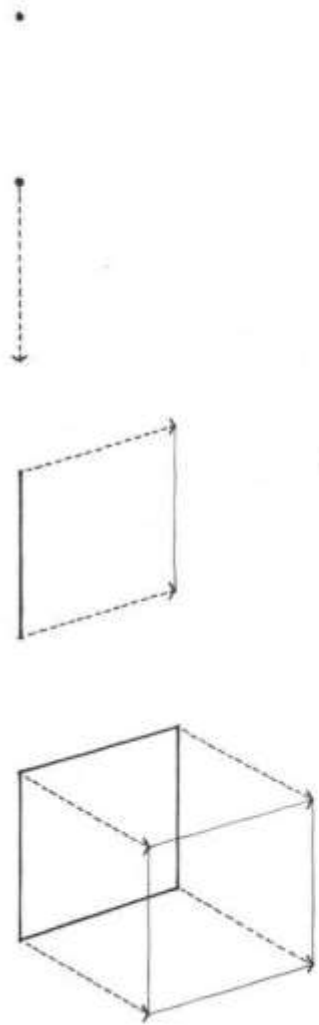
Texture

Value

Colour

Primary Elements





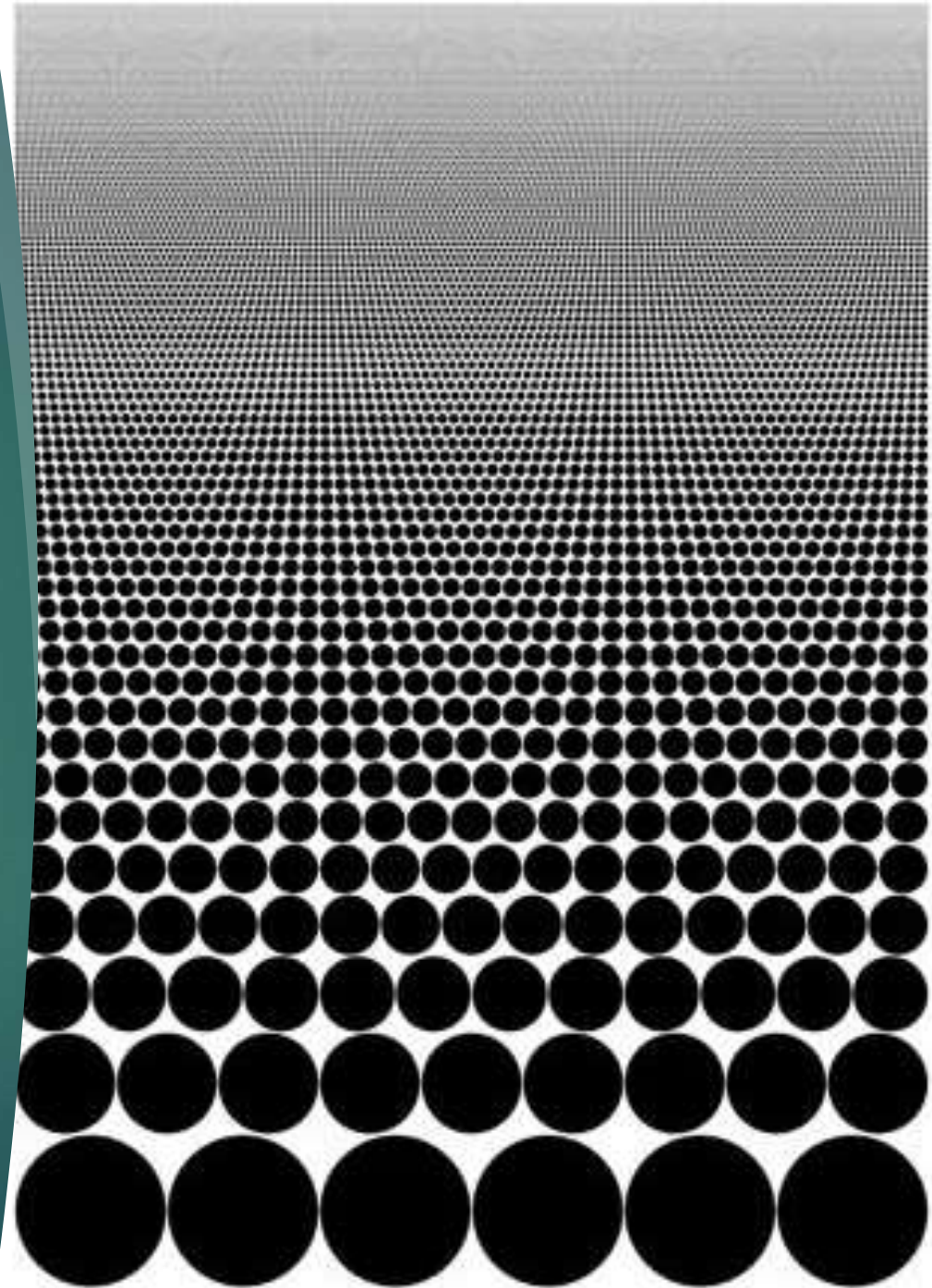
Point

Position in space

No dimensions

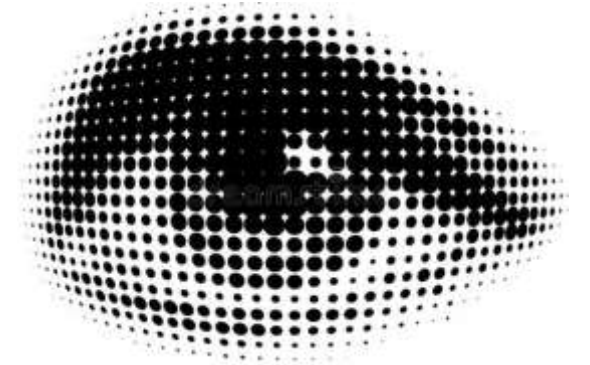
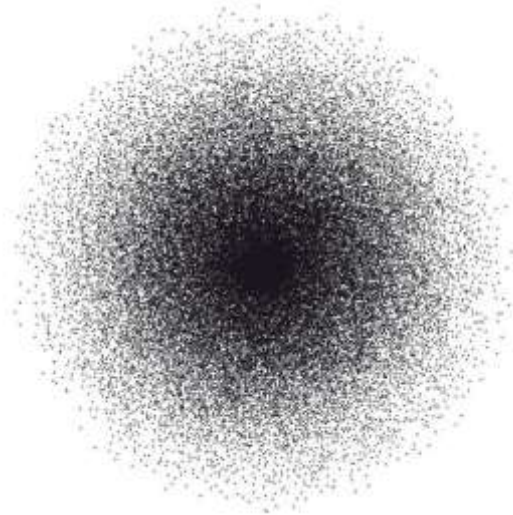
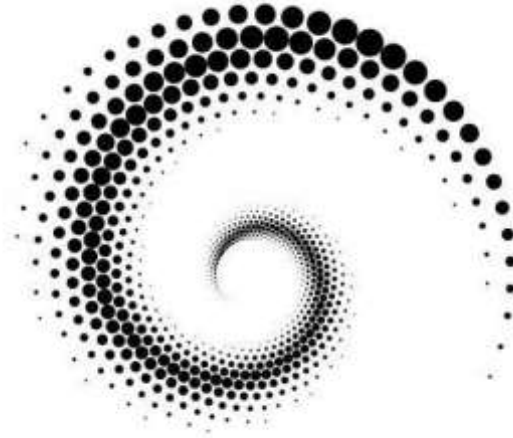
No orientation

Referred as a dot



Using point in artwork

- ▶ Points that refer to texture
- ▶ Point that refer to shape
- ▶ Points that refer to position
- ▶ Points that refer to starting, ending or intersection





Cubism



Using the point in architecture

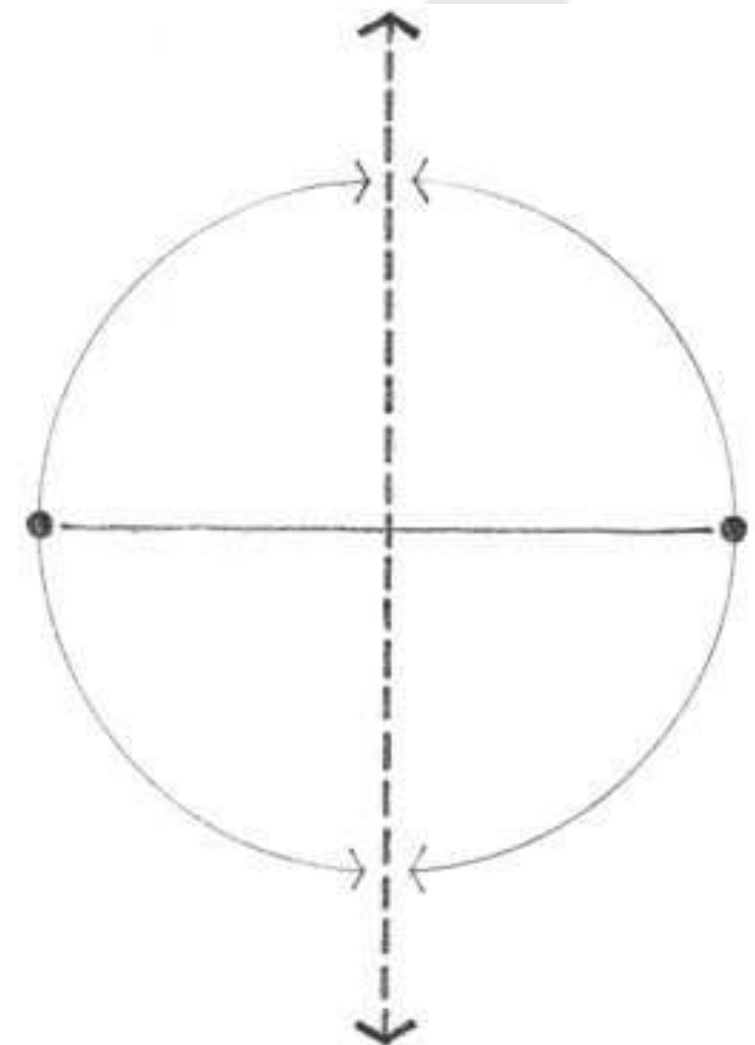
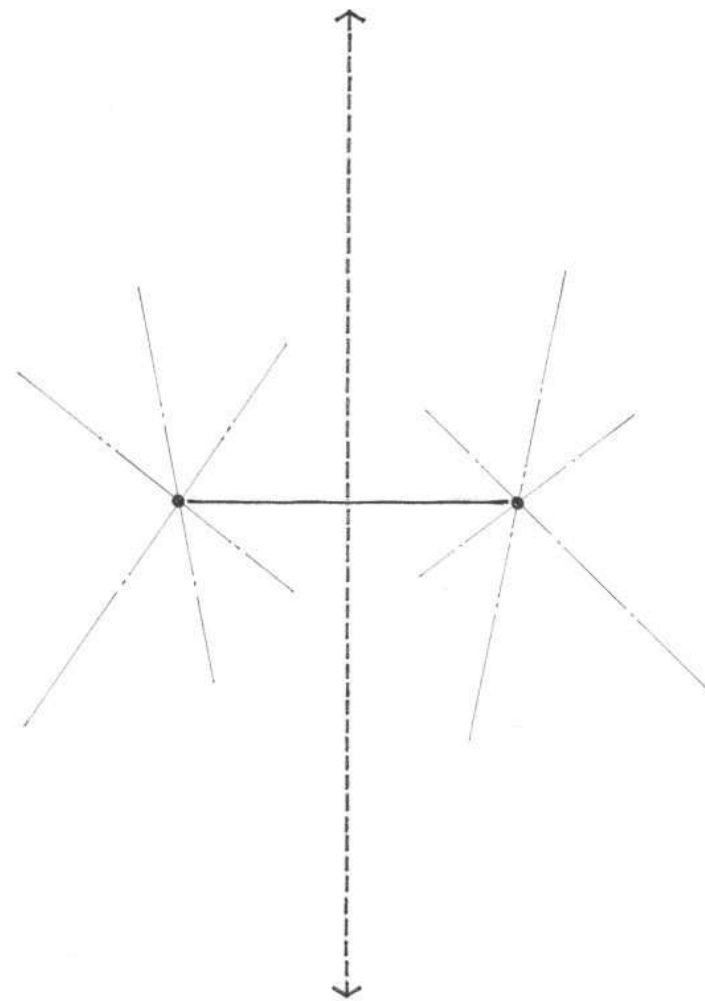
MONT ST. MICHEL
FOCAL POINT



Using the point in architecture

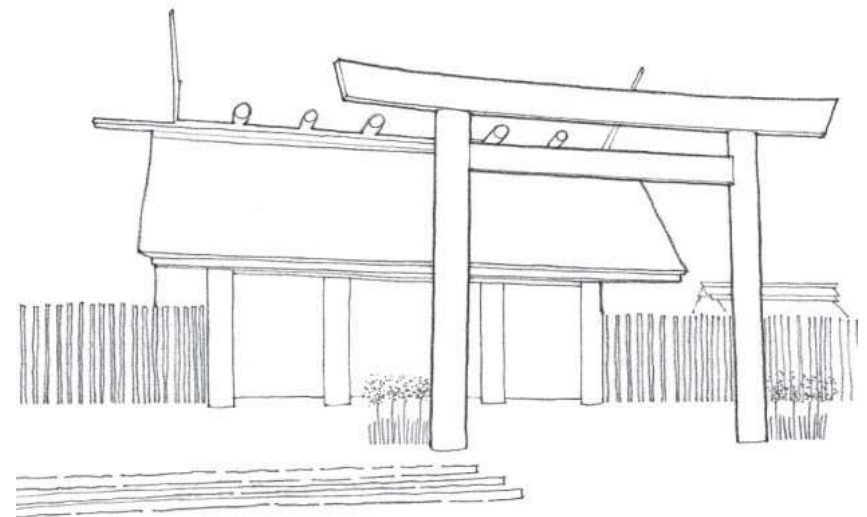
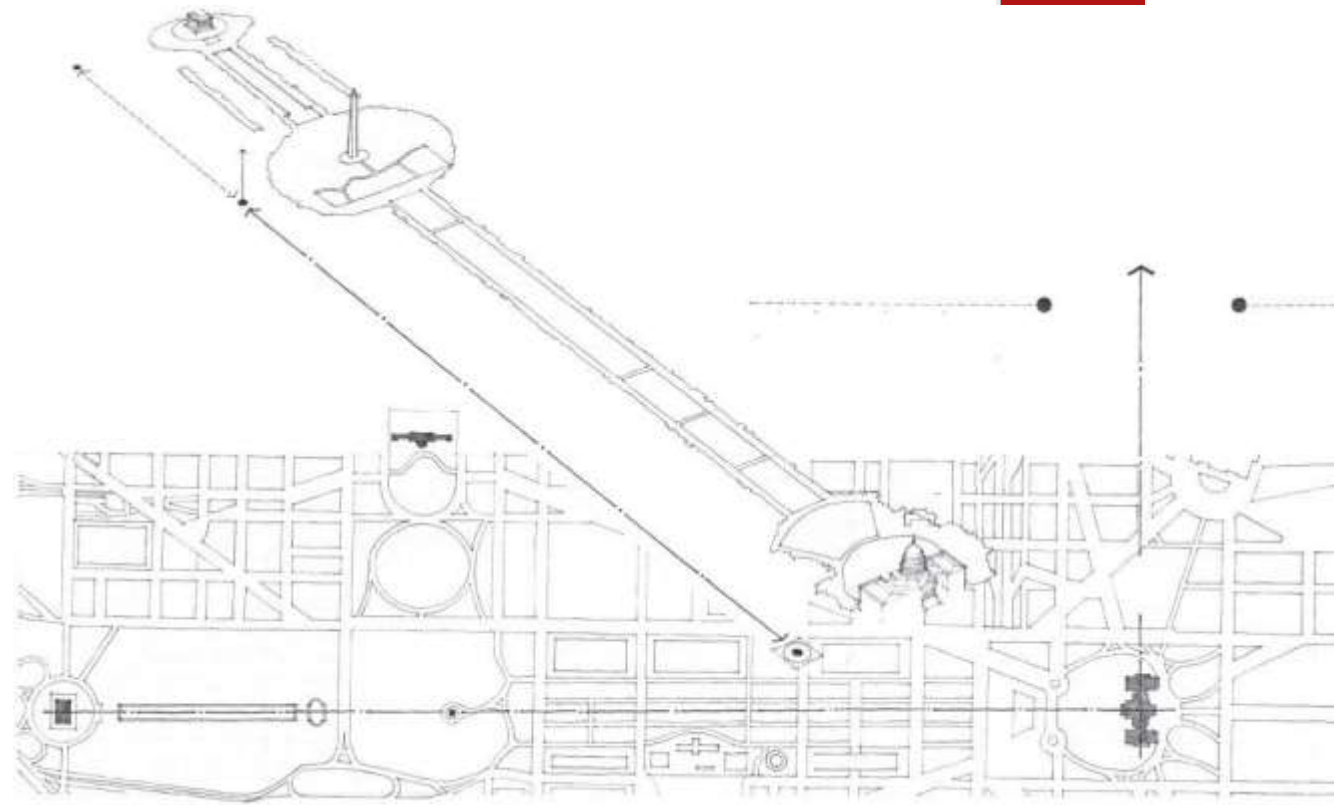
ST. PETER'S SQUARE
POSITION

Two points

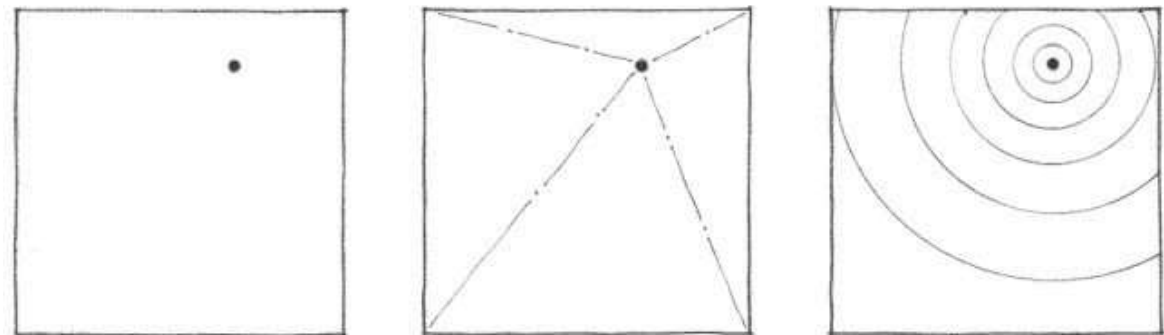
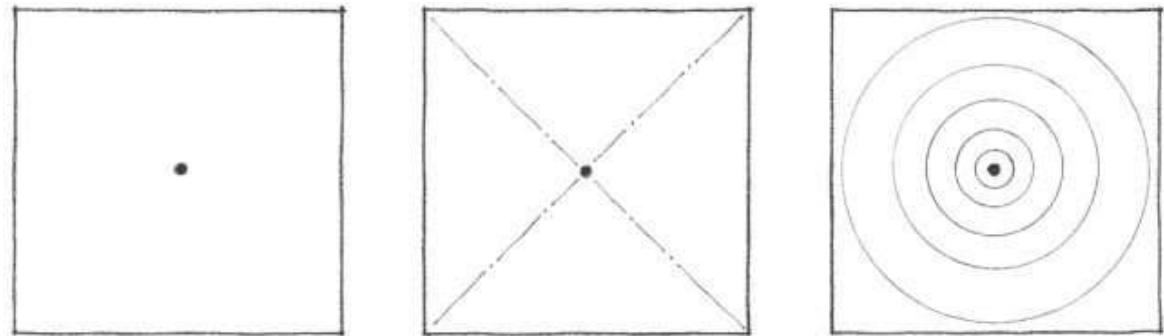


Two points in architecture

- ▶ Two points established a space
- ▶ Two points established an approach or a gateway



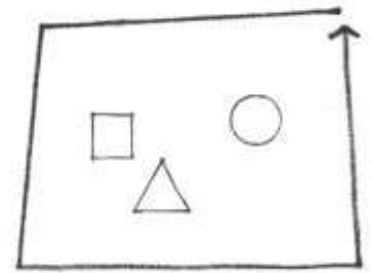
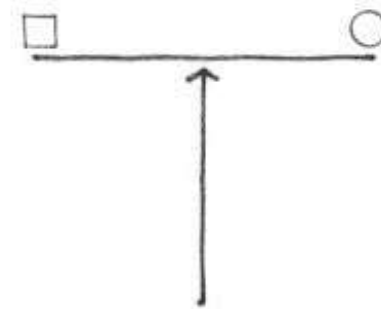
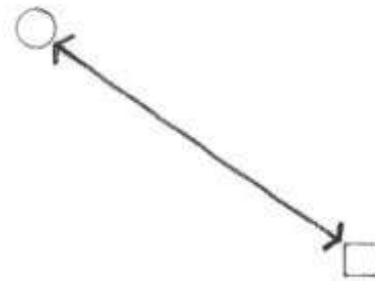
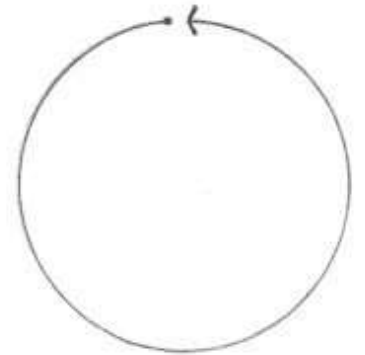
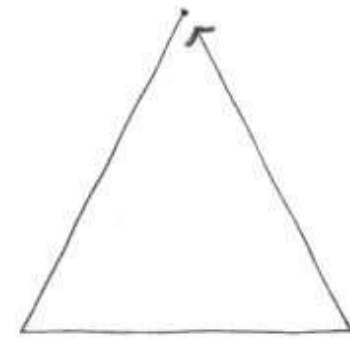
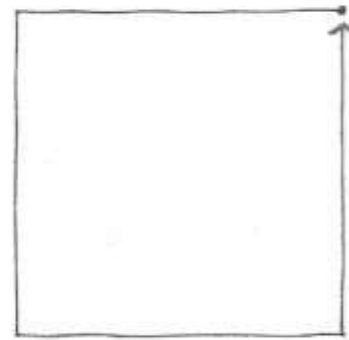




Static and Dynamic Placement

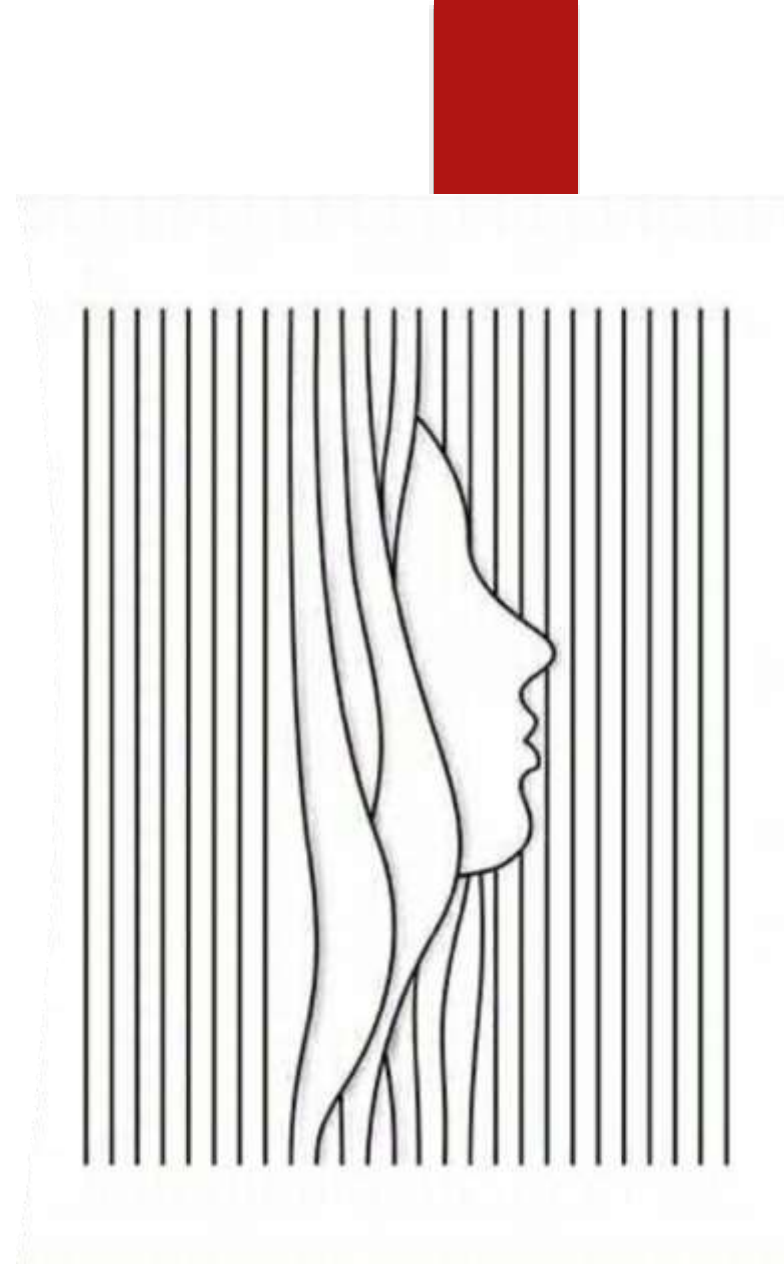
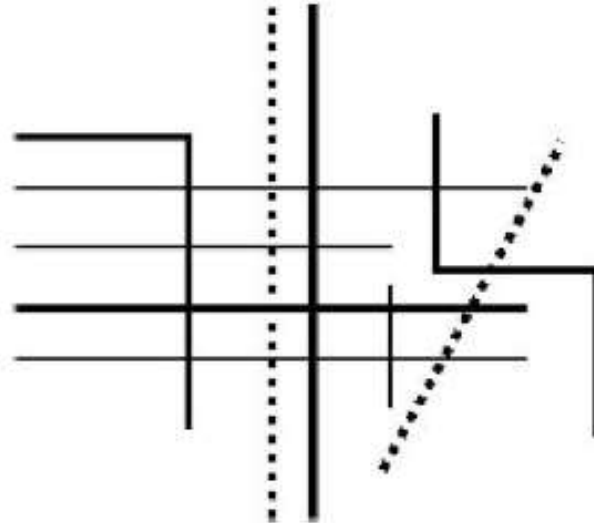
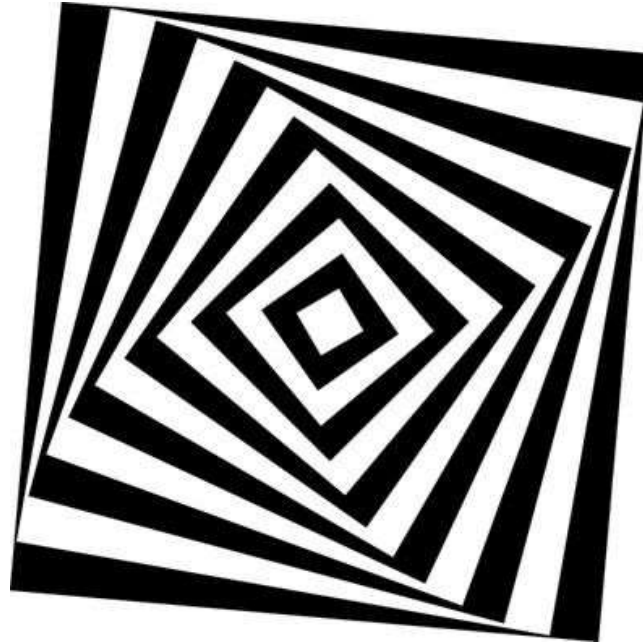
Line

- ▶ Refers to the continuous mark made on a surface by a moving point.
- ▶ Has length, but no width or depth
- ▶ A line, in describing the path of a point in motion, is capable of visually expressing direction, movement, and growth



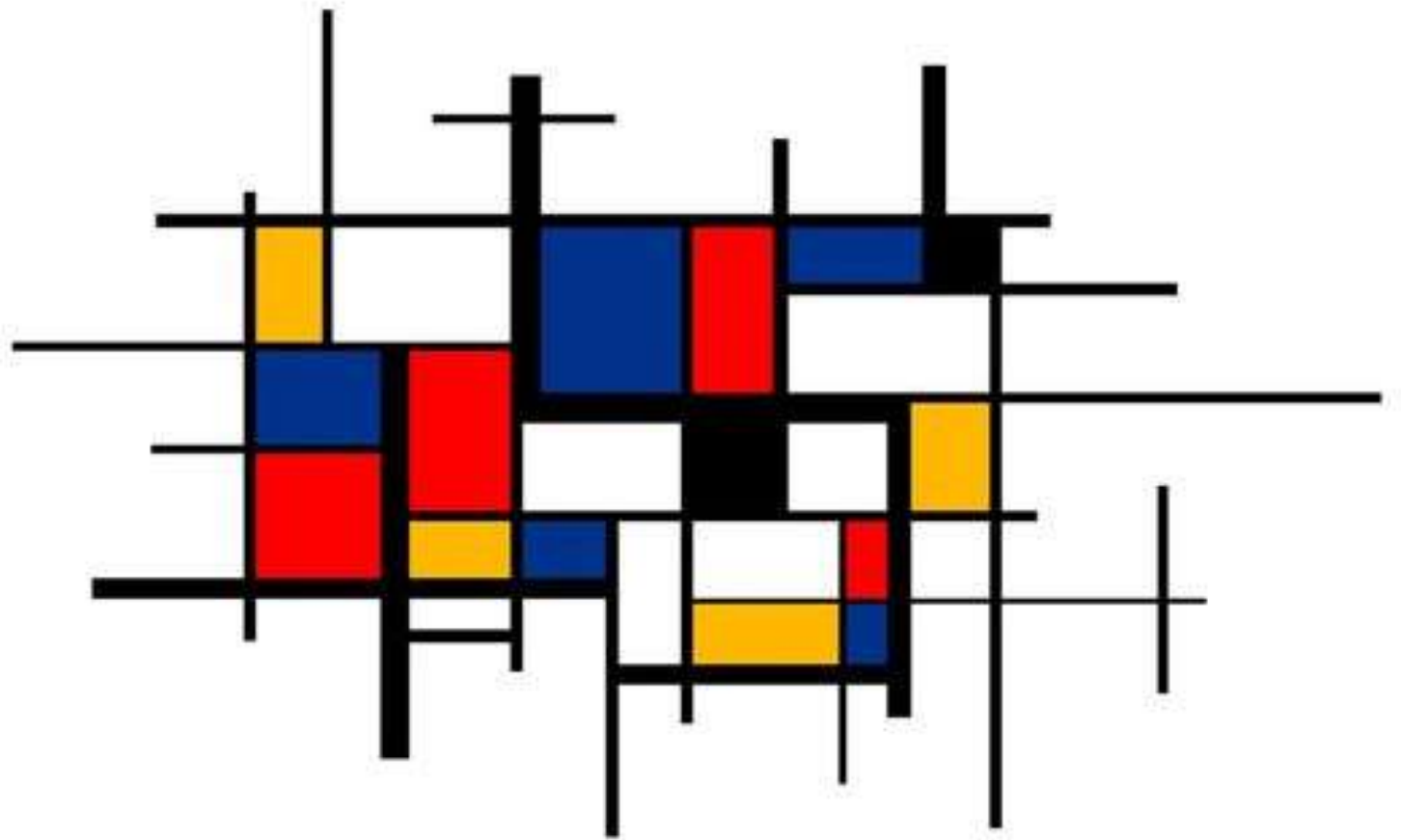
Line in artwork

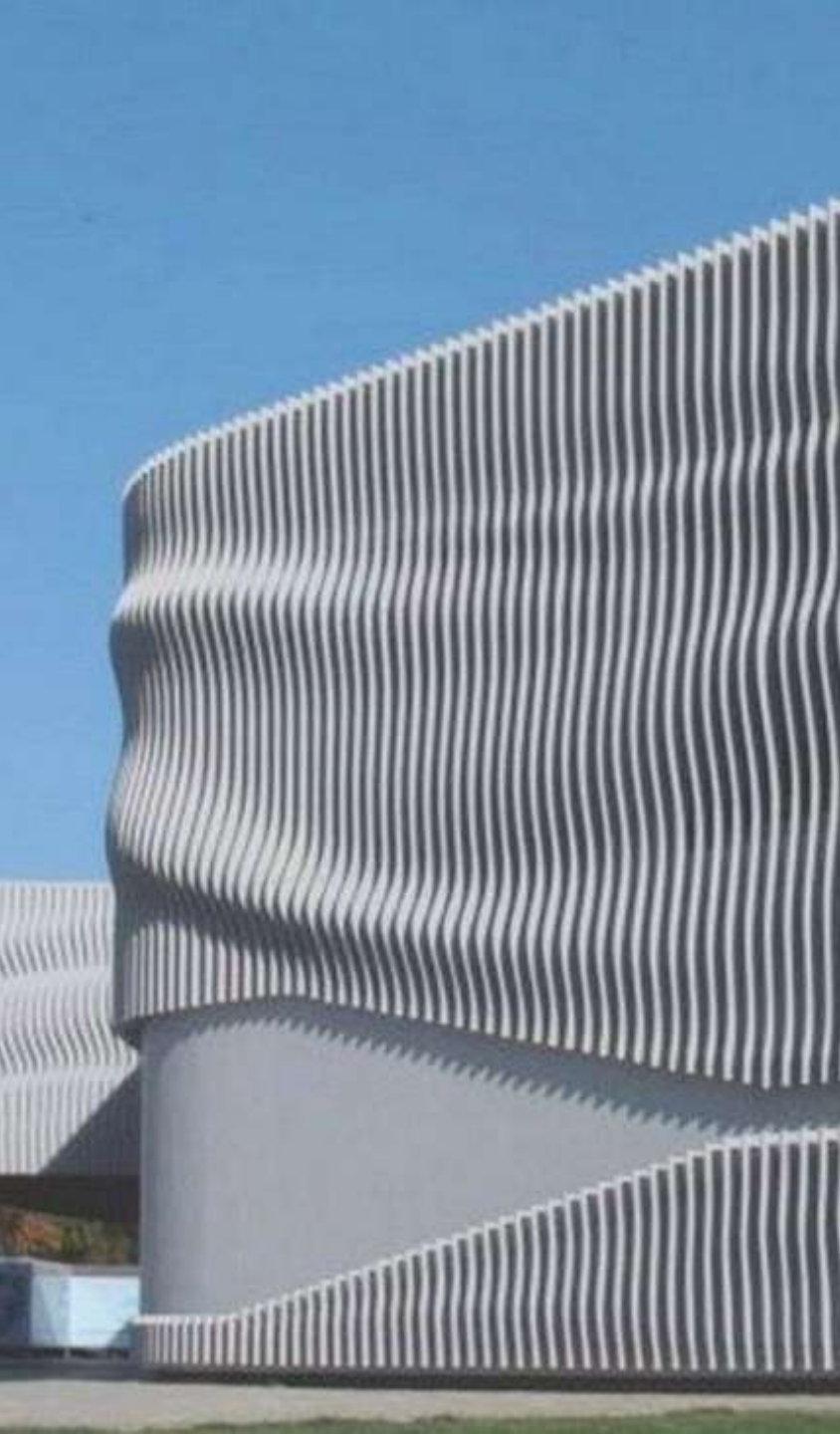
- ▶ Orientation
- ▶ Type
- ▶ Thickness



De style

► By Mondrian





Linear elements in architecture

VERTICAL: REPRESENTS
DIGNITY, FORMALITY, STABILITY,
AND STRENGTH



Linear elements in architecture

HORIZONTAL: REPRESENTS CALM, PEACE, AND RELAXATION



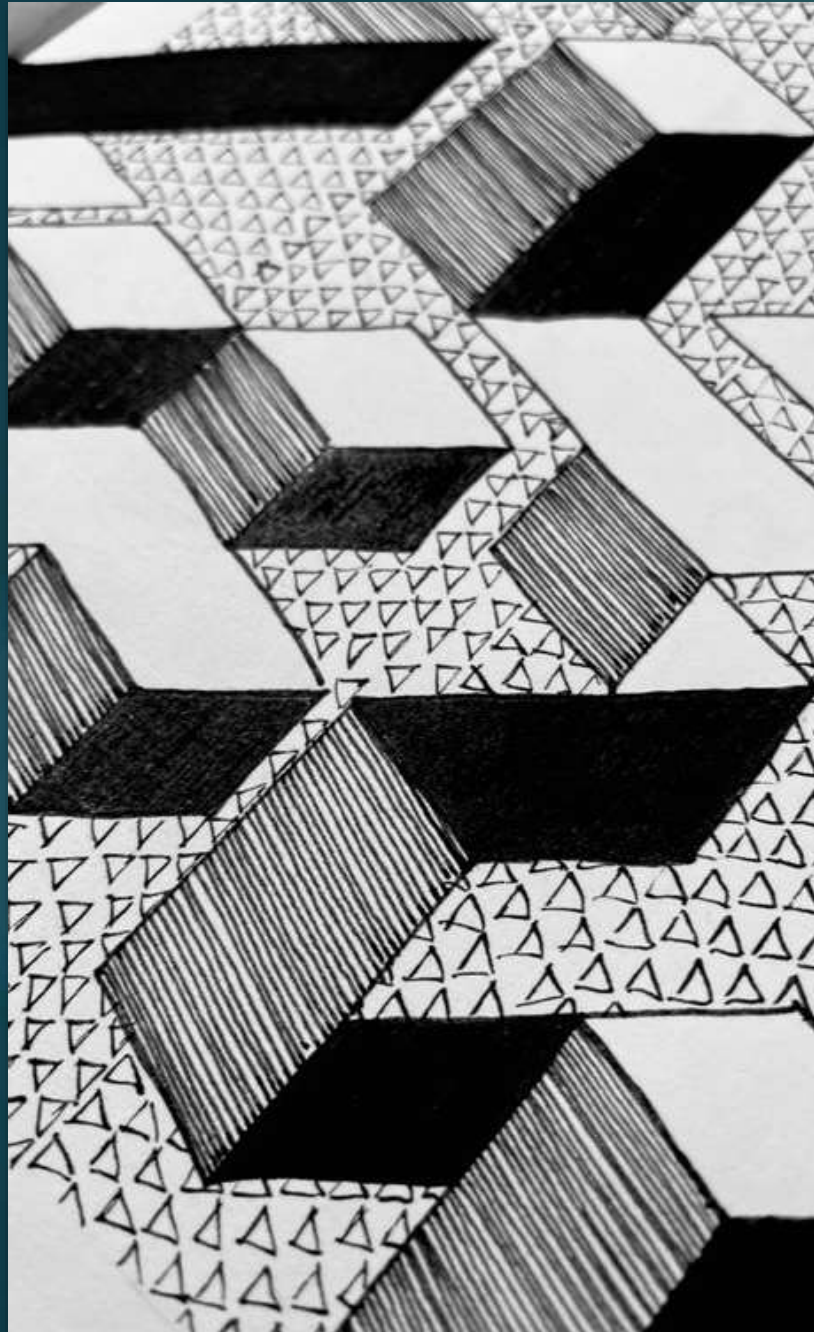
Linear elements in architecture

DIAGONAL – REPRESENTS
ACTION, ACTIVITY,
EXCITEMENT, AND
MOVEMENT

Linear elements in architecture

CURVED – REPRESENTS
FREEDOM, THE NATURAL,
SOFTNESS, AND CREATES
A SMOOTHING FEELING





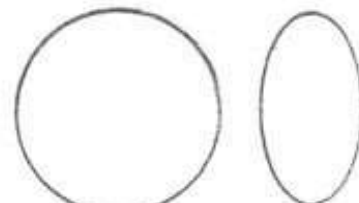
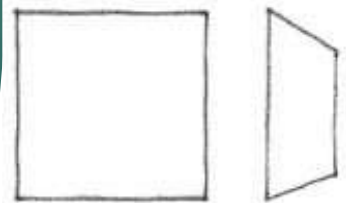
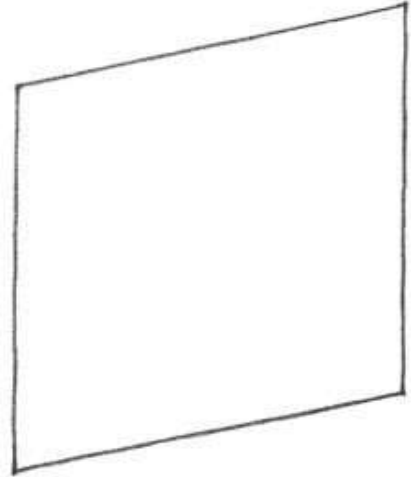
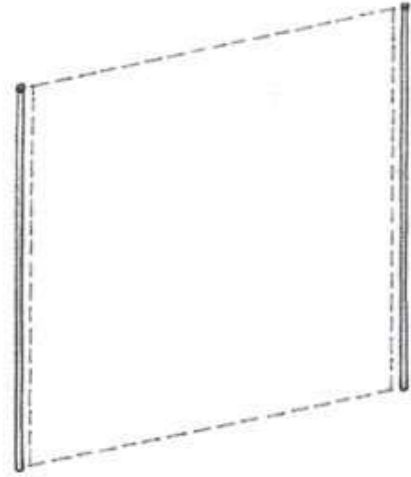
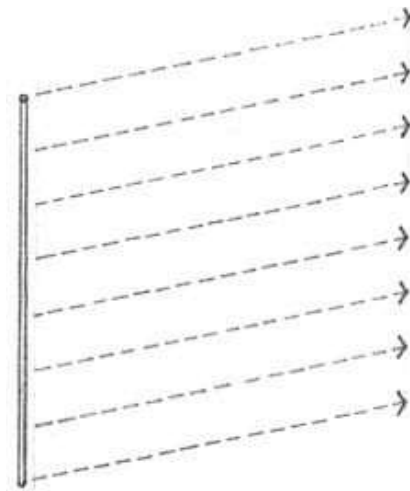
Linear
elements
defined
planes



Linear
elements
defined
planes

Plane shape and form

- ▶ A line extended in a direction other than its intrinsic direction becomes a plane.
- ▶ It has length and width, but no depth.
- ▶ Shape is the primary identifying characteristic of a plane. It is determined by the contour of the line forming the edges of a plane.
- ▶ Form described as the composition of geometric shapes





Planner
elements
in artwork



Planner elements in architecture





Overhead Plane

The overhead plane can be either the roof plane that spans and shelters the interior spaces of a building from the climatic elements, or the ceiling plane that forms the upper enclosing surface of a room.

Wall Plane

The wall plane, because of its vertical orientation, is active in our normal field of vision and vital to the shaping and enclosure of architectural space.

Base Plane

The base plane can be either the ground plane that serves as the physical foundation and visual base for building forms, or the floor plane that forms the lower enclosing surface of a room upon which we walk.

